

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty Dkt. No. 65246 CCD		Serial No.	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Applicants Y. HOTTA ET AL			
				Filing Date			
U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
BH	AA	6 1 5 4 2 4 3	11/00	Tatewaki et al.	347	223	12/21/98
	AB	6 0 9 0 7 4 8	7/00	Furuya et al.	503	201	6/25/98
	AC	5 9 8 1 1 1 5	11/99	Furuya et al.	430	19	
	AD	5 9 4 2 3 7 7	8/99	Torii et al.	430	338	
	AE	5 9 8 1 4 2 9	11/99	Kawamura et al.	503	207	
	AF	5 9 5 5 2 2 5	9/99	Furuya et al.	430	19	
	AG	6 0 9 0 1 9 2	7/00	Torii et al.	106	31.18	8/17/98
	AH	5 8 9 1 8 2 3	4/99	Torii et al.	503	216	
	AI	5 8 6 8 8 2 1	2/99	Torii et al.	106	31.17	
	AJ	5 8 6 9 4 2 2	2/99	Kazumi et al.	503	207	
↓	AK	5 6 8 6 3 8 2	11/97	Suzuki et al.	503	201	
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
BH	AL	55 1 5 4 1 9 8	12/80	Japan			claims
	AM	2 1 3 6 3	1/90	Japan			abstract
	AN	3 2 0 8 9	1/91	Japan			"
	AO	4 3 6 6 6 8 2	12/92	Japan			"
↓	AP	6 2 5 5 2 4 7	9/94	Japan			"
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR						
	AS						
	AT						
EXAMINER <i>Bruce Lee</i>		DATE CONSIDERED 10-18-03					
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BH	AA	5 9 4 8 7 2 7	9/99	Hotta et al.	503	200
	AB	5 7 4 7 4 1 3	5/98	Amano et al.	503	201
	AC	5 8 8 0 4 4 5	3/99	Mori et al.	235	380
	AD	5 6 1 6 2 6 2	4/97	Itoda et al.	219	216
	AE	5 5 3 8 8 2 2	7/96	Hotta et al.	430	19
	AF	5 6 3 5 3 1 9	6/97	Hotta et al.	430	19
	AG	5 4 8 9 4 9 4	2/96	Hotta et al.	430	19
	AH	5 5 8 3 5 5 4	12/96	Masubuchi et al.	347	171
	AI	5 4 4 8 0 6 5	9/95	Masubuchi et al.	250	316.1
	AJ	5 2 7 8 1 2 8	1/94	Hotta et al.	503	207
↓	AK	09 4 0 6 0 6 9		Furuya et al.		9/24/99

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No
BH	AL	5 2 9 4 0 6 2	9/93	Japan		abstract
	AM	11 0 5 8 9 8 8	3/99	Japan		"
	AN	63 2 2 1 0 8 7	9/88	Japan		"
	AO	63 3 1 7 3 8 5	12/88	Japan		"
	AP	2 5 6 6	1/90	Japan		"
↓	AP	1 1 3 3 7 8 1	5/89	Japan		"

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Applicants Y. HOTTA et al.			
				Filing Date 06/08/2001		Group 1756	
U.S. PATENT DOCUMENTS							
Examiner Initial & TRADEMARK OFFICE		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
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	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
BH	AL	1 0 1 6 4 0 9	1/98	Japan			
	AM						
	AN						
	AO						
	AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR						
	AS						
	AT						
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65246 CCDSerial No.
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06/08/2001Group
1756LIST OF PRIOR ART CITED BY APPLICANT
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BH	AA 5262374	11/93	Okabe et al.	503	201	
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No
BH AL 0891875	1/99	Europe			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BH	AR	Database WPI Sec. Ch. Week 199813, Derwent Pub. Cl. A97, AN 1998-139944
	AS	abstract of JP 10 016409A (1/98)
	AT	

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